

METERING DEVICE

ABSTRACT

A metering device has an actuating unit within a housing in which an actuator is inserted and a hydraulic compensating element. The hydraulic compensating element is connected to the actuator and can be filled with a fluid when subjected to pressure. A first end of the actuator is provided with a first end cap. The metering device further has a stop that is disposed on the housing in the form of a seat, faces the first end cap, and defines a stopping position for the first end cap. The stop maintains a maximum distance between a sealing element and the end cap, the distance being smaller than the actuator traveling distance such that the actuator stroke beyond the end cap is sufficient for opening the valve. The first end cap hits the stop when moving in the direction of the hydraulic compensating element such that the movement is blocked.